

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A lighting device for generating mixed colors, which device comprises a light emission surface and a plurality of light sources of different colors, ~~characterized by including~~ an optical waveguide plate ~~(1)~~ into which a plurality of cavities ~~(20)~~ is provided, each cavity ~~(20)~~ accommodating a light source ~~(21)~~, and each cavity ~~(20)~~ having an upper side ~~(203)~~ facing the light emission surface ~~(11)~~ and side walls ~~(201)~~, said upper side ~~(203)~~ being coated with a first reflecting layer ~~(204)~~, while the coupling of the light into the optical waveguide plate takes place through the side walls ~~(201)~~.

2. (Currently amended) A ~~The~~ lighting device ~~as claimed in of~~ claim 1, ~~characterized in that wherein~~ the side walls ~~(201)~~ of the cavities ~~(20)~~ extend substantially perpendicularly to the light emission surface ~~(11)~~, and the upper sides ~~(203)~~ of the cavities ~~(20)~~ extend substantially parallel to the light emission surface ~~(11)~~.

3. (Currently amended) A ~~The~~ lighting device ~~as claimed in of~~ claim 1, ~~characterized in that wherein~~ the cavities ~~(20)~~ are coated with a second reflecting layer ~~(121)~~ at their lower sides opposite to the upper sides ~~(203)~~.

4. (Currently amended) ~~A~~The lighting device ~~as claimed~~
~~in of~~ claim 1, ~~characterized in that wherein~~ the cavities ~~(20)~~
are substantially cylindrical.

5. (Currently amended) ~~A~~The lighting device ~~as claimed~~
~~in of~~ claim 1, ~~characterized in that wherein~~ the cavities ~~(20)~~
are provided in the lower side ~~(12)~~ of the optical waveguide
plate ~~(1)~~.

6. (Currently amended) ~~A~~The lighting device ~~as claimed~~
~~in of~~ claim 1, ~~characterized in that wherein~~ the light sources
~~(21)~~ comprise a plurality of red, green, and blue light-
emitting diodes which are distributed such that no light
sources of the same color lie in mutually adjoining cavities
~~(20)~~.

7. (Currently amended) ~~A~~The lighting device ~~as claimed~~
~~in of~~ claim 3, ~~characterized in that wherein~~ the second
reflecting layer ~~(121)~~ extends over the side faces ~~(13 to 16)~~
and the lower side ~~(12)~~ of the optical waveguide plate ~~(1)~~.

8. (Currently amended) ~~A~~The lighting device ~~as claimed~~
~~in of~~ claim 7, ~~characterized in that wherein~~ the second
reflecting layer ~~(121)~~ is at a distance from the optical
waveguide plate ~~(1)~~, which distance constitutes an air gap.

9. (Currently amended) ~~A~~The lighting device ~~as claimed~~
~~in of~~ claim 1, ~~characterized in that wherein~~ the first
reflecting layer ~~(204)~~ is prolonged by a ~~first~~ portion ~~(204a)~~
continuing horizontally in horizontal direction into the
optical waveguide plate ~~(1)~~.

10. (Currently amended) A The lighting device ~~as claimed~~
~~in of~~ claim 1, ~~characterized in that wherein~~ the first
reflecting layer ~~(204)~~ is prolonged by a ~~second portion (204b)~~
continuing along the side walls (201) of the cavity ~~(20)~~.

11. (Currently amended) A The lighting device ~~as claimed~~
~~in of~~ claim 1, ~~characterized in that wherein~~ the edges of the
cavities ~~(20)~~ lying opposite the upper side ~~(203)~~ are
surrounded by a third reflecting layer ~~(205)~~.

12. (Currently amended) A liquid crystal display ~~with a~~
incorporating the lighting device ~~as claimed in of~~ claim 1.